

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 13.01.2016

Version number 4

Revision: 13.01.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

· **Trade name:** Nullifire TS815

· **MSDS code:** W-N-TS815

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture** Coating compound/ Surface coating/ paint

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

tremco illbruck Ltd
Coupland Road, Hindley Green, WIGAN, WN2 4HT
Tel: +44 (0) 1942251400, Fax: +44 (0) 1942251410
msds@tremco-illbruck.com

Further information obtainable from:

tremco illbruck Ltd
Torrington Avenue, Coventry, CV4 9TJ
T: +44 (0) 2476855000, F: +44 (0) 2476469547
www.nullifire.com, protect@nullifire.com

1.4 Emergency telephone number:

During office hours tel.: +44 (0) 2476855000. At all other times please contact your national poisoning centre.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

| | | |
|-------------------|-----------|--|
| Flam. Liq. 3 | H226 | Flammable liquid and vapour. |
| Skin Irrit. 2 | H315 | Causes skin irritation. |
| STOT SE 3 | H335-H336 | May cause respiratory irritation. May cause drowsiness or dizziness. |
| Aquatic Chronic 2 | H411 | Toxic to aquatic life with long lasting effects. |

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS07 GHS09

· **Signal word** Warning

Hazard statements

| | |
|-----------|--|
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
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· Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P273 Avoid release to the environment.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P391 Collect spillage.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

· Supplemental information:

EUH208 Contains reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700). May produce an allergic reaction.

· 2.3 Other hazards**· Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients**· 3.2 Mixtures**

- **Description:** Mixture of substances listed below with non-hazardous additions.

· Dangerous components:

| | | |
|--|---|----------|
| CAS: 64742-95-6 EINECS: 265-199-0 Reg.nr.: 01-2119455851-35-xxxx | Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411 | 50- <75% |
| CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx | xylene (mix) Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315 | 30- <50% |
| CAS: 25068-38-6 NLP: 500-033-5 Reg.nr.: 01-2119456619-26-xxxx | reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700) Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 | 0,1- <1% |

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures**· 4.1 Description of first aid measures****· General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out of danger area and lay down.

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

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· After skin contact:

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: Do not induce vomiting; call for medical help immediately.**· 4.2 Most important symptoms and effects, both acute and delayed**

Headache

Dizziness

Nausea

Irritating to eyes and skin.

Harmful: may cause lung damage if swallowed.

· Information for doctor: No further relevant information available.**· Hazards** No further relevant information available.**· 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures**· 5.1 Extinguishing media****· Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.

· For safety reasons unsuitable extinguishing agents: Water with full jet**· 5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

· 5.3 Advice for firefighters**· Protective equipment:**

Mouth respiratory protective device.

Wear self-contained respiratory protective device.

· Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

· 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.**· 6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Avoid contact with the eyes and skin.

· Information about fire - and explosion protection:

Flammable liquid and vapour.
Fumes can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.
Provide ventilation for receptacles.

· Information about storage in one common storage facility: Protect from heat and direct sunlight.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Storage temperature: +5 °C to +25 °C

· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

1330-20-7 xylene (mix)

| | |
|-----|--|
| WEL | Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV |
|-----|--|

· Ingredients with biological limit values:

1330-20-7 xylene (mix)

| | |
|------|--|
| BMGV | 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid |
|------|--|

· Additional information:

The lists valid during the making were used as basis.
EH40/2005 Workplace Exposure Limits (2nd edition, 2011)

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

Do not breathe vapour/spray.
Do not eat, drink, smoke or sniff while working.
Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing
Use skin protection cream for skin protection.

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· **Respiratory protection:**

Use only in well-ventilated areas.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A/P2

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

Rubber gloves

Plastic gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing**SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form: Fluid
Colour: According to product specification

· **Odour:** Solvent-like· **Boiling point/Boiling range:** 137 °C· **Flash point:** 30 °C· **Ignition temperature:** 450 °C· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.· **Explosion limits:****Lower:** 0.7 Vol %**Upper:** 7.5 Vol %

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- | | |
|--|--|
| · Density at 20 °C: | 1.2 g/cm ³ |
| · Solubility in / Miscibility with water: | Not miscible or difficult to mix. |
| · Viscosity: Dynamic at 20 °C: | 65 s (ISO 6mm) |
| · Solvent content: VOC (EC) | 470 g/l |
| · 9.2 Other information | No further relevant information available. |

* **SECTION 10: Stability and reactivity**

- **10.1 Reactivity** Stable
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Nitrogen oxides
Carbon monoxide and carbon dioxide

* **SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

64742-95-6 Solvent naphtha (petroleum), light arom.

| | | |
|------------|----------|------------------|
| Oral | LD50 | 4700 mg/kg (rat) |
| Inhalative | LC50/8 h | 3670 ppmV (rat) |

1330-20-7 xylene (mix)

| | | |
|------------|----------|---------------------|
| Oral | LD50 | >2000 mg/kg (rat) |
| Dermal | LD50 | 3200 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 20 mg/L (rat) |

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Strong degreasing effect.
Repeated exposure may cause skin dryness or cracking.
Causes skin irritation.
- **Serious eye damage/irritation** Direct contact may cause temporary redness and discomfort.
- **Respiratory or skin sensitisation**
Sensitising effect by skin contact is possible by prolonged exposure.
- **Additional toxicological information:** Harmful: may cause lung damage if swallowed.

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- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****1330-20-7 xylene (mix)**

| | |
|-----------|---------------------------------|
| LC50/96 h | 21.0 mg/L (pimephales promelas) |
| | 13.5 mg/L (lepomis macrochirus) |
| EC50/24 h | 165 mg/L (daphnia magna) |

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** May be accumulated in organism
- **12.4 Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:****1330-20-7 xylene (mix)**

| | |
|-----------|-------------------------------------|
| IC50/72 h | 3-5 mg/L (selenstrum capricornutum) |
|-----------|-------------------------------------|

- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

- **Waste disposal key:** UK (WM3) : HP3 HP4 HP14

· **European waste catalogue**

| | |
|-----------|---|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances |
| 15 01 10* | packaging containing residues of or contaminated by hazardous substances |

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· **Uncleaned packaging:**· **Recommendation:**

Disposal must be made according to official regulations.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Non contaminated packagings may be recycled.

SECTION 14: Transport information· **14.1 UN-Number**· **ADR, IMDG, IATA**

UN1263

· **14.2 UN proper shipping name**· **ADR**1263 PAINT RELATED MATERIAL,
ENVIRONMENTALLY HAZARDOUS· **IMDG**PAINT RELATED MATERIAL (Solvent naphtha
(petroleum), light arom., bisphenol A epoxy resin
(number average MW ≤700)), MARINE
POLLUTANT· **IATA**

Paint related material

· **14.3 Transport hazard class(es)**· **ADR**· **Class**

3 (F1) Flammable liquids.

· **Label**

3

· **IMDG**· **Class**

3 Flammable liquids.

· **Label**

3

· **IATA**· **Class**

3 Flammable liquids.

· **Label**

3

· **14.4 Packing group**· **ADR, IMDG, IATA**

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| | |
|--|--|
| · 14.5 Environmental hazards: | Product contains environmentally hazardous substances: Solvent naphtha (petroleum), light arom. |
| · Marine pollutant: | Yes |
| · Special marking (ADR): | Symbol (fish and tree) |
| · 14.6 Special precautions for user | Warning: Flammable liquids. |
| · Danger code (Kemler): | 30 |
| · EMS Number: | F-E, <u>S-E</u> |
| · Stowage Category | A |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR | |
| · Limited quantities (LQ) | 5L |
| · Excepted quantities (EQ) | Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| · Transport category | 3 |
| · Tunnel restriction code | D/E |
| · IMDG | |
| · Limited quantities (LQ) | 5L |
| · Excepted quantities (EQ) | Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| · UN "Model Regulation": | UN 1263 PAINT RELATED MATERIAL, 3, III, ENVIRONMENTALLY HAZARDOUS |

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

"CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).

"CHIP" SI 2009 No.716.

"REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments).
COMMISSION REGULATION (EU) 2015/830 of 28 May 2015

· **National regulations:**

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57** Not applicable.

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

· *** Data compared to the previous version altered.**